RESIDENTIAL SOLAR AND ELECTRICAL SYSTEM INTEGRATION

Section 1: Applicable Service Territory

Residential solar and electrical system interconnection is available on a first-come, first-served basis in the distribution service territory of City of Osceola at any point on the Utility's existing facilities that has adequate capacity and suitable voltage for delivery of service until:

0.1 the total rated generating capacity of all Solar Residential systems on the utility equals 5% of the utility's single-hour peak load during the previous year or

1.2 the total rated generating capacity of approved new interconnection agreements during the current calendar year equals or exceeds 1% of the utility's single-hour peak load for the previous calendar year. RSMo 386.890.3

Section 2: Availability of Service

Solar Residential service is available to any existing customer who is in good standing under the City's electric service schedules, that owns and operates a renewable energy electric generator powered by solar, hydro, or wind or fuel cells using hydrogen produced by solar, hydro or wind with a capacity of not more than one hundred (100) kilowatts that is located on the customer's premises, is interconnected and operates in parallel phase and synchronization with the Utility's existing transmission and distribution facilities, and is intended primarily to offset part or all of the customer's own electrical power requirements. This rider is offered in compliance with the "Solar Residential and Easy Connection Act" (RSMo 386.890 and appropriate Missouri Public Service Commission Rules.

Additional sources of renewable energy may be certified by the Department of Natural Resources and they will be accepted by the City.

All agreements hereunder are between the customer-generator and the City and shall not include a third party.

Section 3: Definitions

means measuring the difference between the electricity supplied by the Utility and the electricity generated by an eligible customer-generator and fed back to the electric grid over the applicable billing period.

All other definitions shall be those contained in the Missouri “Net Metering and Easy Connection Act” (RSMO 386.890) except where noted in this rider.

Section 4: Monthly Billing

1. The electric service charge shall be computed in accordance with the monthly billing the under the customer’s effective standard rate schedule. Under this net metering rider, only the kilowatt-hour (kWh) units of a customer-generator’s bill are affected.

2. If the electricity supplied by the Utility exceeds the electricity generated by the customer during the applicable billing period, the customer-generator shall be billed for the net billable kWhs supplied by the Utility in accordance with the rates and charges under the Utility’s standard rate schedule applicable to the customer.

3. If the electricity generated by the customer-generator exceeds the electricity supplied by the Utility, the customer-generator shall be credited for the net value of the electric energy delivered to the Utility during the applicable billing period at the Utility’s “avoided fuel cost”, with this credit appearing on the customer-generator’s bill no later than the following billing period.

4. The “avoided fuel cost” is that amount determined by the city’s governing board with responsibility for setting rates, as outlined in RSMO 386.890.2(1)

Section 4: Transfer of Ownership

Upon change in ownership of the qualified unit, or of the premises on which the unit is located, the new customer-generator shall file a new application with the City for Net Metering

Section 5: Special Conditions

1. The customer- generator must have:
   1.1 An approved Application for Net Metering
   1.2 A signed Standard Interconnection Application/Agreement with the Utility.

2. The customer-generator is responsible for all costs associated with its generating facility and is also responsible for all costs related to any modifications to the facility that may be required by the Utility for purposes of safety and reliability.

3. A net metering facility shall meet all applicable safety and performance standards established by the National Electric Safety Code, the National Electric Code, the Institute of Electrical and Electronic Engineers, the Federal Energy Regulatory Commission, and Underwriters Laboratory.

   In addition, it shall:

   a. Be equipped at the customer-generator's expense with a meter or meters approved by the utility and capable of measuring the net amount of electrical energy produced or consumed by the customer-generator. Any additional costs necessary for the utility to permit the meters or generator to be integrated into the utility distribution system shall be borne by the customer-generator. At the request of the customer-generator those costs can be

initially paid by the utility which may bill the customer-generator the costs over a 12-month billing cycle period along with a reasonable rate of interest.

b. Have a mechanism that automatically disables and disconnects the unit from the supplier's electrical lines if service to the customer-generator is interrupted.

c. Have an easily accessible device or feature in immediate proximity to the metering equipment to allow a utility worker to disconnect the unit manually and instantly from the utility's distribution system.

4. For systems of ten kilowatts or less, a customer-generator shall not be required to purchase any liability insurance. Insurance for systems above 10 kilowatts shall be negotiated as part of the Interconnection Agreement.

Application for Residential Solar

Note: *This Application is considered complete when it provides all applicable and correct information required below. Additional information or clarification to evaluate the Application may be requested by the City.*

Customer

Name (Print) : _____

Contact Person (if other than customer):_____

Address:_____

City: State: Zip:_____

Telephone (Day): _____(Evening): _____

Fax: _____ E-Mail Address: _____

Customer Signature: _____

I hereby apply for participation in the City's Residential Solar Program for Customer Owned Renewable Energy Resources at the utility service address listed above. By my signature, I further affirm that I have read and fully understand the City's policies and procedures for the program and agree to fully abide by the all the terms and conditions.

Signed:

_____

Date:

_____

For Office Use Only

Requirements for Approval of Net Metering - The City must verify that the following requirements are met for Customer Generator to qualify for residential solar:

☐ Qualified Renewable Energy Resource

☐ Application for Interconnection

☐ Certificate of Completion

City Signature: _____

Title: _____
Date:_____

Application ID number: _____

Application for Interconnection

NOTE: *This Application is considered complete when it provides all applicable and correct information required below. Additional information or clarification to evaluate the Application may be requested by the City.*

This application must be accompanied by a plan for the generating system including, but not limited to, a wiring diagram and specifications for the generating unit. Prior to interconnection with the utility's distribution system, the customer-generator must furnish a certification from a qualified professional electrician or engineer that the installation meets the requirements of the

"Easy Connection Act".

This application for Interconnection expires one year after the customer-generator has been notified of the City's approval if the interconnection has not been completed.

Processing Fee:

A non-refundable processing fee of $100 must accompany this Application.

Customer

Name:

_____

Contact Person:
_____

Address:
_____

City: State: Zip:
_____

Telephone (Day): _____
(Evening):_____

Fax: _____ E-Mail
Address:_____

Contact (if different from Customer)

Name:
_____

Address:
_____

City: State: Zip:
_____

Telephone (Day): _____
(Evening):_____

Fax: _____ E-Mail
Address:_____

Owner of the facility:
_____

Generating Facility Information

Location (if different from above):
_____

Electric Service Company:
_____ Account
Number:
_____

Inverter Manufacturer:
_____

Model
_____

Nameplate Rating: (kW) _____
(kVA)_____ _ (AC Volts) Single Phase
_____ Three Phase_____

System Design Capacity: _____ (kW) _____ (kVA)

Prime Mover: ❍ Photovoltaic ❍ Reciprocating Engine ❍ Fuel Cell

❍ Turbine ❍ Other

Energy Source: ❍ Solar ❍ Wind ❍ Hydro ❍ Hydrogen

Is the equipment UL1741 Listed? ☐ Yes ☐ No

If Yes, attach manufacturer's cut-sheet showing UL1741 listing

Estimated Installation Date: _____ Estimated In-Service Date: _____

List components of the Small Generating Facility equipment package that are currently certified:

Equipment Type	Certifying Entity
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

If additional pieces of equipment are included, please attach an additional sheet(s) containing the information indicated immediately above.

Customer Signature
I hereby certify that, to the best of my knowledge, the information provided in this Application is true. I agree to abide by the terms and conditions of the City's Interconnection Standard and will return the Certificate of Completion when the Generating Facility has been installed.

Signed:
_____

Title: _____
Date:_____

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